CHAIRMAN OF THE JOINT CHIEFS OF STAFF INSTRUCTION

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CHARTER FOR CENTRALIZED DIRECTION, MANAGEMENT, OPERATION, AND TECHNICAL SUPPORT OF THE NUCLEAR COMMAND, CONTROL, AND COMMUNICATIONS SYSTEM

References: a. CJCSI 6811.01, 10 January 1994, "Nuclear Command and Control System Technical Performance Criteria"
b. CJCSI 3222.01, 8 October 1993, "CJCS Prioritization of C3 Nodes and Systems for High Altitude Electromagnetic Pulse Protection"
c. CJCSI 6810.01, 31 May 1994, "Critical Nuclear Command and Control Equipment and Facilities"
d. MCM 172-91, 1 October 1991, "Integrity of the Integrated Tactical Warning/Attack Assessment System"

1. Purpose. To define the functions and responsibilities of the Nuclear C3 System Engineer, combatant commands, Services, and Defense agencies, for the centralized direction, management, operation, and technical support of the Nuclear C3 System. This instruction is fully compliant with national guidance for nuclear C2 as promulgated through National Security Decision Directives.

2. Cancellation. MJCS-003-90, 8 January 1990, is canceled.

3. Applicability. This instruction applies to the Joint Staff, Services, combatant commands, and Defense agencies.

4. Policy. This instruction will be used for the operation, test, evaluation, and development of the Nuclear C3 System.

5. Responsibilities. The Joint Staff, Services, combatant commands, and Defense agencies are responsible for carrying out the requirements established under this instruction.

6. Procedures. Detailed procedures and responsibilities are contained in the Enclosure. Exceptions to the procedures under the authority of this instruction will be submitted to the Director, Joint Staff, for resolution on a case-by-case basis.

7. Summary of Changes. This instruction is a format change from the MJCS and reflects current organizations and responsibilities.

8. Effective Date. This instruction is effective immediately.

For the Chairman of the Joint Chiefs of Staff:

\Signature\
WALTER KROSS
Lieutenant General, USAF
Director, Joint Staff

Enclosure:
Charter for the Centralized Direction, Management, Operation, and Technical Support of the Nuclear Command, Control, and Communications System

ENCLOSURE

CHARTER FOR CENTRALIZED DIRECTION, MANAGEMENT, OPERATION, AND TECHNICAL SUPPORT OF THE NUCLEAR COMMAND, CONTROL, AND COMMUNICATIONS SYSTEM

1. General

a. The Nuclear C3 System is composed of C3 assets that provide connectivity from the NCA through the National Military Command System (NMCS) to nuclear execution forces integral to fighting a "homeland-to-homeland," as well as theater, nuclear war. The Nuclear C3 System includes the emergency action message (EAM) dissemination systems and those systems used for tactical warning/attack assessment (TW/AA), conferencing, force report back, retargeting, force management, and requests for permission to use nuclear weapons. The strategic portion of the Nuclear C3 System is integral to and ensures performance of critical strategic functions of the Global Command and Control System (GCCS).

b. The Nuclear C3 System supports Presidential nuclear C2 and the NCA C2 of the combatant commands in the areas of integrated TW/AA, decisionmaking, decision dissemination, and force management and report back.

c. The Nuclear C3 System is centrally directed through the Joint Staff. General operational responsibility lies with the Chairman of the Joint Chiefs of Staff.

d. The capability of the Nuclear C3 System to meet objectives will be determined through the use of exercises, technical tests, technical analysis, and simulation and wargaming techniques. The Nuclear C3 System will be exercised frequently under the most realistic conditions possible from an operational standpoint to ensure readiness and identify operational deficiencies. Also, technical tests will be conducted frequently to ensure maximum ability to function technically in support of the NCA. Systems designated by the Director for Command, Control, Communications, and Computer Systems (J-6), Joint Staff, as critical to the Nuclear C3 System will receive highest priority maintenance support from the Services.

e. Emphasis will be placed on improvement of the system through inclusion of the most reliable, survivable, secure, and enduring C3 system. Improvements to systems and operating procedures must ensure timely TW/AA, adequate conferencing, and timely EAM delivery to strategic aerial defense, SIOP, and nonstrategic nuclear forces with high confidence. Improvements must also ensure that no action other than NCA-

intended action will be taken, and that necessary force report back and retargeting capability exists.

2. Nuclear C3 System Engineer Mission. The Nuclear C3 System Engineer is charged with providing technical support to the Joint Staff, J-6, in carrying out responsibilities with respect to the Nuclear C3 System. The Director, DISA, is designated the Nuclear C3 System Engineer.

3. Nuclear C3 System Engineer Functions. The Nuclear C3 System Engineer will support the Joint Staff as follows:

a. Act as the primary technical adviser on Nuclear C3 System matters.

b. Provide system engineering and C3 planning support to the J-6 to improve design integrity, survivability, endurability, interoperability, compatibility, security, performance, and reliability of the entire system.

c. Analyze systems, both existing and in design, to determine whether nuclear C3 system technical performance criteria specified in reference a and interoperability requirements can or are being met.

d. Develop and supervise technical tests of the system in coordination with J-6.

e. Assist J-3 in the development and evaluation of test and operational plans and procedures for the Nuclear C3 System, in collaboration and coordination with the Services and other appropriate commands and agencies.

f. Recommend common Nuclear C3 System equipment and subsystem technical interface requirements and standards to achieve and retain C3 compatibility.

g. Propose development efforts and new C3 systems to meet Nuclear C3 System objectives.

h. Recommend techniques to counteract the threat environment, particularly the threat of electronic countermeasures and nuclear effects on C3.

i. Recommend techniques to counteract the threat of usurpation or exploitation of the system by a third party or a cognizant agent.

j. Provide J-6 with biannual draft updates to the Joint Staff Nuclear C3 Assessment, reflecting compliance with reference a and the Strategic Connectivity Engineering Plan for approval.

k. Provide J-3 with a draft set of communication plans annually (or as requested) covering EAMs, force report back, replanning, and postattack communications from the NMCS to the DOD infrastructure. Provide other communication plans associated with nuclear conflict as requested.

l. Assist in evaluating the effectiveness of the Nuclear C3 System through development and analysis of realistic exercises and in conducting theoretical studies. At the direction of J-3, develop and supervise operational tests and readiness exercises of the entire Nuclear C3 System using the most realistic scenarios possible. Maintain a record of the observed performance and performance trends of the system over time.

m. At the direction of the J-6, conduct trade-off studies between existing, approved, and proposed systems to optimize the Nuclear C3 network and assist in development of a system master plan.

n. Perform survivability studies at the direction of J-6 and in collaboration and coordination with the Services, DNA, and other appropriate agencies. Survivability studies will be conducted through analysis of the Nuclear C3 System performance based on the analytical application of the hardening, mobility, dispersal, and redundancy functions. Identify potential single point failure locations, substandard performance, and interoperability limitations, and include recommendations for improvement.

o. Evaluate current and new C3 systems, technologies, and techniques of the Military Services, DOD agencies, and other USG agencies for possible use in the Nuclear C3 System.

p. Recommend to J-6 assignment of selected tasks to the appropriate DOD organizations for accomplishment.

q. Review Nuclear C3 System-related programs of the Military Services, DOD agencies, and other USG agencies to determine whether they support effective integration, standardization, and interoperability.

r. Advise J-6, Military Services, and agencies of program and budget requirements for satisfactory financial support of Nuclear C3 System programs. This will be done in time to support POM development and whenever shortfalls exist.

s. Provide a Nuclear C3 System Security Classification Guide.

t. Include necessary resources in DISA POM submission to execute Nuclear C3 System Engineering responsibilities.

u. Review the adequacy of the test plans of Nuclear C3 System development programs.

v. Review test results and make recommendations for operational use of Nuclear Command and Control System (NCCS) or other SIOP-cleared circuits to the Joint Staff, J-36, for approval.

4. Responsibilities

a. The Chairman of the Joint Chiefs of Staff. The responsibilities of the Chairman of the Joint Chiefs of Staff, with respect to the Nuclear C3 System, include:

(1) Operation of the Nuclear C3 System.

(2) Establishment of operational policies and procedures for the Nuclear C3 System.

(3) Definition of the scope of the Nuclear C3 System.

(4) Development and validation of requirements for the Nuclear C3 System.

(5) Making recommendations to the Secretary of Defense to ensure responsiveness, interoperability, and standardization of the Nuclear C3 System.

b. The Joint Staff. The Joint Staff is responsible for advising the Chairman of the Joint Chiefs of Staff on the effectiveness of the Nuclear C3 System and requesting the Services, combatant commands, and Defense agencies to accomplish selected tasks in the development and operation of the Nuclear C3 System.

(1) The Director, J-6, is the primary Joint Staff point of contact for providing centralized direction and management for the Nuclear C3 System and is responsible for:

(a) Maintaining liaison with the Joint Staff, Military Services, DISA Center for C3 Systems, combatant commands, and other Defense agencies.

(b) Developing and recommending changes to the Nuclear C3 System concepts and requirements.

(c) Reviewing and recommending changes to Nuclear C3 System procedural plans of the combatant commanders.

(d) Publishing a biannual Nuclear C2 System Assessment.

(e) Publishing and maintaining CJCS Nuclear Command and Control System Technical Performance Criteria (reference a).

(f) Publishing and maintaining CJCS Prioritization of C3 Nodes and Systems for High-Altitude Electromagnetic Pulse Protection (reference b).

(g) Publishing and maintaining CJCS Critical Nuclear Command and Control Equipment and Facilities (reference c).

(h) Approving technical tests of the Nuclear C3 System jointly with the Deputy Director for Operations (National Military Command Systems), Joint Staff.

(i) Reviewing recommendations submitted by the Nuclear C3 System Engineer and initiating appropriate action.

(j) Monitoring the following areas relative to their impact on the Nuclear C3 System:

1. Exercises and tests.

2. Treaties, agreements, and negotiations with foreign nations.

3. Trends and estimates of hostile threats and capabilities.

4. Emergency Action Procedures (EAPs) and pertinent studies.

(k) Accomplishing other Nuclear C3 System-related tasks and functions as may be required in the management of the Nuclear C3 System.

(l) Developing, reviewing, and validating the Nuclear C3 System requirements ensuring current and future planning provides for adequate C3 capabilities.

(m) Reviewing the planning and programming for systems that are or may be designated to support the Nuclear C3 System.

(n) Incorporating appropriate recommendations on Nuclear C3 System-related items into the appropriate CJCS Instructions covering communications policies.

(o) Reviewing test plans and monitoring results ensuring the Nuclear C3 System provides for a survivable, flexible, enduring, and reliable C3 capability.

(p) Reviewing joint input pertaining to the planning, programming, and budgeting system, development concept papers, and the Five-Year Defense Program as these relate to the Nuclear C3 System or organizations and commands served by the Nuclear C3 System.

(2) The Director for Operations (J-3), Joint Staff, is responsible for:

(a) Publishing CJCS EAP, Volumes I through VII, and specifying operational requirements for the effective use of the Nuclear C3 System.

(b) Determining, in collaboration with the Director, J-6, and USCINCSTRAT, operation areas of airborne platforms for maintenance of worldwide communications coverage.

(c) Promulgating schedules and providing direction for national-level Nuclear C3 System operations and exercises ordered by the Chairman of the Joint Chiefs of Staff.

(d) Advising the Director, J-6, of matters in his purview that may affect the current and future operation of the Nuclear C3 System.

(e) Requesting validation of Nuclear C3 System requirements from the Director, J-6.

(f) Planning for and considering OPSEC during all phases of operations, to include testing, exercises, and real-world operations.

(g) Providing certification for operational use for NCCS and other SIOP-cleared circuits.

c. Combatant Commanders

(1) USCINCSTRAT will:

(a) Ensure C3I for strategic force employment is adequate to meet the requirements of national guidance.

(b) Develop, maintain, and publish USSTRATCOM EAPs.

(c) Maintain the capability to execute and direct strategic forces through ground and airborne command centers.

(d) Develop implementary policies, tactics, and procedures for strategic nuclear C3 assets and systems, in response to guidance from the Secretary of Defense and the Chairman of the Joint Chiefs of Staff.

(e) Provide single-CINC advocacy for strategic nuclear C2 matters.

(2) Nuclear-capable CINCs will:

(a) Provide Nuclear C3 System communications plans for their respective commands.

(b) Conduct and participate in exercises and technical tests.

(c) Recommend operational procedures to improve the effectiveness of the Nuclear C3 System to the Chairman of the Joint Chiefs of Staff.

(d) Submit Nuclear C3 System requirements for validation by the Joint Staff, J-6.

(e) Provide operational assistance to the Nuclear C3 System Engineer as directed by the Chairman of the Joint Chiefs of Staff.

(f) Provide or delegate to a subordinate command to grant interim certification for operational use of NCCS or other SIOP-cleared circuits when required.

(g) Submit test results, along with requests for operational use certification, to the Joint Staff, J-36, via the Nuclear C3 System Engineer.

(3) USCINCSPACE will:

(a) Ensure the Integrated TW/AA System is able to perform its assigned mission per reference d.

(b) Review, approve, and certify or decertify any addition of new hardware or software within, or interfacing with, the Integrated TW/AA System.

(c) Review, approve, and certify or decertify any modifications of existing hardware or software

within, or interfacing with, the Integrated TW/AA System.

(d) Provide the Annual Status Report for the Integrated TW/AA System to the Joint Staff, J-36, and DISA.

(e) Provide the Integrated TW/AA Nuclear Survivability Status Report to the Joint Staff, J-36, and DISA.

(f) Conduct the annual end-to-end test of the Integrated TW/AA System and provide results to the Joint Staff, J-36, and DISA.

d. The Military Services. The Services will:

(1) Operate, maintain, evaluate, conduct technical tests, and support the specific Nuclear C3 System-designated systems and assets for which they are responsible, ensuring the highest maintenance priorities are assigned.

(2) Review system planning, programming, and implementation.

(3) Monitor system exercises and technical tests.

(4) Conduct trade-off studies between operational procedures and technical developments at Service level.

(5) Advise the Joint Staff, J-6, on the status of planning and programming related to the Nuclear C3 System.

(6) Advise the Joint Staff, J-6, and the Nuclear C3 System Engineer prior to making any planning and programming changes that impact on the Nuclear C3 System.

(7) Identify and develop new systems, as required, to meet nuclear C2 system technical performance criteria specified in reference a.

(8) Review and recommend techniques to counteract the threat environment, including nuclear and electronic countermeasures effects.

(9) Provide technical assistance to the Nuclear C3 System Engineer as requested by the Chairman of the Joint Chiefs of Staff.

(10) Provide system modification and system acquisition to support the system, including subsystem project plans,

management engineering plans, installation and implementation plans, and test and transition plans.

(11) Plan, program, and budget consistent with the fiscal guidance of the Secretary of Defense for systems identified for inclusion in the system.

e. Defense Agencies

(1) NSA is responsible for:

(a) Providing the Joint Staff and Nuclear C3 System Engineer with an analysis of all SIGINT threats and an evaluation of COMSEC and countermeasures, in design or in use, to counter these threats and ensure compliance with standards identified by reference c.

(b) Developing and reviewing COMSEC measures to counter the threat and providing guidance to the Joint Staff and Nuclear C3 System Engineer on approaches for achieving Nuclear C3 System COMSEC objectives.

(c) Participating in the COMSEC aspects of planning, development, implementation, test, and evaluation for the Nuclear C3 System.

(d) Producing COMSEC documents and cryptographic keying material to support execution of the Nuclear C3 System communications plans.

(2) DIA is responsible for:

(a) Providing the Joint Staff and Nuclear C3 System Engineer with an assessment of the magnitude of the

threat to destroy system elements of the Nuclear C3 System or to disrupt communications to include, but not be limited to, electronic jamming, deception, and nuclear effects.

(b) Development of a standard jamming threat profile for use by all agencies involved in the development, operation, and evaluation of Nuclear C3.

(3) DNA is responsible for providing nuclear effects models and data, hardening technology, test support, and system survivability assessments for use by the Nuclear C3 System Engineer.

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